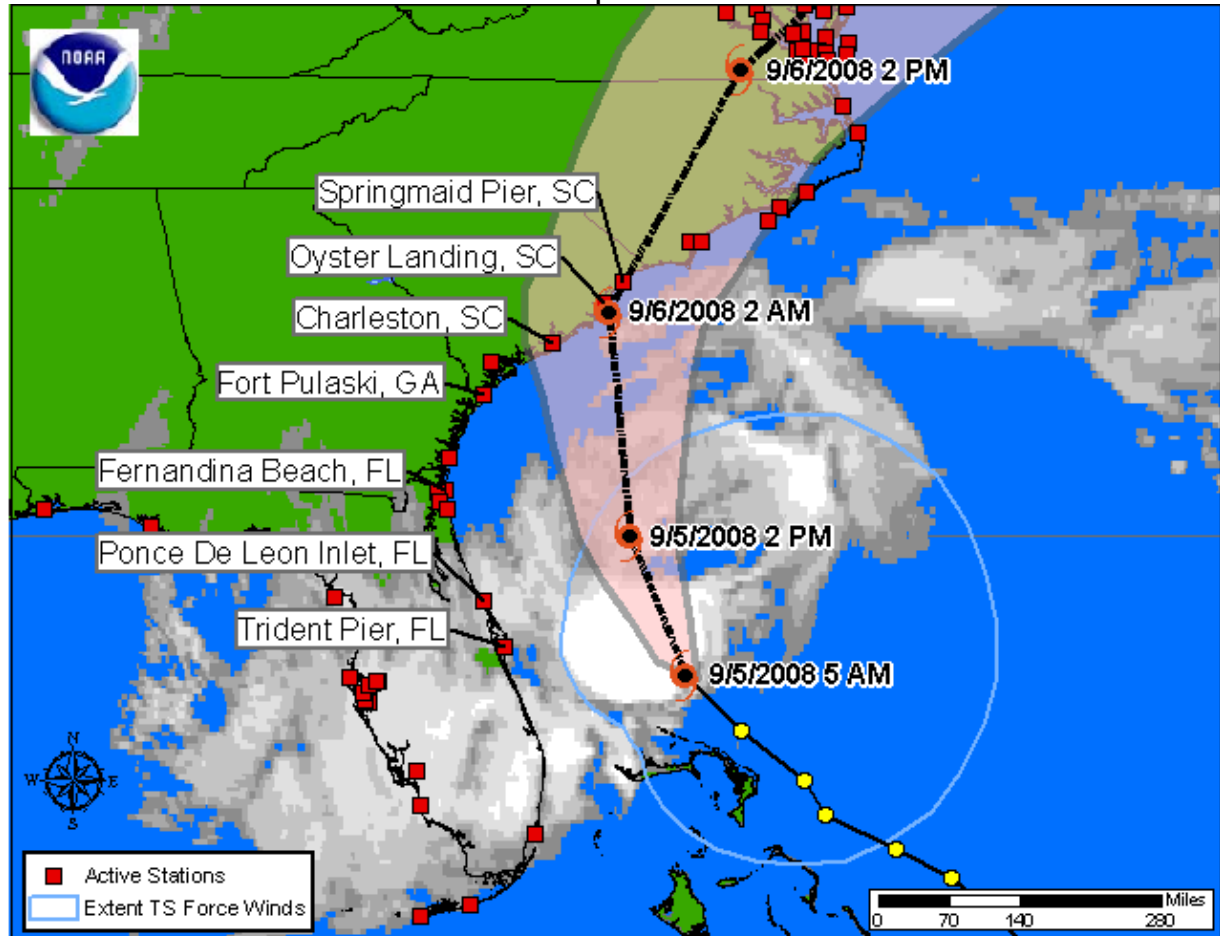




Tropical Storm HANNA QuickLook
Posted: 06:00 EDT 09/05/2008

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 9/05/2008 06:00 EDT water levels along the eastern seaboard from Florida to South Carolina are elevated between 1.0 to 2.1 feet above predicted. Barometric pressure is falling along the coasts of Florida, Georgia and South Carolina. Wind speeds are increasing, with gusts up to 30 knots at the Trident Pier, FL station.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Trident Pier, FL: Next predicted high tide is 3.90 ft (1.19 m) at 09/05/2008 12:28 EDT.

Ponce De Leon Inlet South, FL: Next predicted high tide is 2.90 ft (0.88 m) at 09/05/2008 13:01 EDT.

Fernandina Beach, FL: Next predicted high tide is 6.30 ft (1.92 m) at 09/05/2008 13:33 EDT.

Fort Pulaski, GA: Next predicted high tide is 7.10 ft (2.16 m) at 09/05/2008 12:52 EDT.

Charleston, SC: Next predicted high tide is 5.57 ft (1.70 m) at 09/05/2008 12:42 EDT.

Oyster Landing (North Inlet Estuary), SC: Next predicted high tide is 5.00 ft (1.52 m) at 09/05/2008 13:24 EDT.

Springmaid Pier, SC: Next predicted high tide is 5.30 ft (1.62 m) at 09/05/2008 12:18 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst: ND

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM HANNA ADVISORY NUMBER 34

500 AM EDT FRI SEP 05 2008

HANNA ACCELERATING NORTHWESTWARD

AT 500 AM EDT 0900 UTC THE TROPICAL STORM WARNING IS EXTENDED SOUTHWARD FROM SAVANNAH RIVER TO ALTAMAHA SOUND GEORGIA. THE TROPICAL STORM WARNING IS ALSO EXTENDED NORTHWARD ALONG THE ATLANTIC COAST TO CHINCOTEAGUE VIRGINIA AND NORTHWARD IN THE CHESAPEAKE BAY TO SMITH POINT. A TROPICAL WARNING IS NOW IN EFFECT FROM ALTAMAHA SOUND GEORGIA NORTHWARD ALONG THE ATLANTIC COAST TO CHINCOTEAGUE VIRGINIA INCLUDING PAMLICO AND ALBEMARLE SOUNDS AND NORTHWARD INTO CHESAPEAKE BAY TO SMITH POINT.

AT 500 AM EDT 0900 UTC THE TROPICAL STORM WATCH HAS BEEN EXTENDED NORTHWARD TO SANDY HOOK NEW JERSEY. A TROPICAL STORM WATCH FROM NORTH OF CHINCOTEAGUE VIRGINIA TO SANDY HOOK JERSEY INCLUDING THE CHESAPEAKE BAY NORTH OF SMITH POINT THE TIDAL POTOMAC WASHINGTON D.C AND THE DELAWARE BAY. A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA GENERALLY WITHIN 36 HOURS.

THE HURRICANE WATCH REMAINS IN EFFECT FROM NORTH OF EDISTO BEACH SOUTH CAROLINA TO CURRITUCK BEACH LIGHT NORTH CAROLINA INCLUDING PAMLICO SOUND.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA INCLUDING POSSIBLE INLAND WATCHES AND WARNING SPLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL WEATHER OFFICE.

AT 500 AM EDT 0900Z THE CENTER OF TROPICAL STORM HANNA WAS LOCATED NEAR

LATITUDE 28.0 NORTH LONGITUDE 78.0 WEST OR ABOUT 125 MILES 200 KM NORTH-NORTHWEST OF GREAT ABACO ISLAND AND ABOUT 430 MILES 690 KM SOUTH OF WILMINGTON NORTH CAROLINA.

HANNA IS MOVING TOWARD THE NORTHWEST NEAR 20 MPH 32 KM/HR. A GRADUAL TURN TO THE NORTH WITH AN INCREASE IN FORWARD SPEED IS EXPECTED LATER TODAY. ON THE FORECAST TRACK THE CENTER OF HANNA WILL BE NEAR THE SOUTHEAST COAST OF THE UNITED STATES LATER TODAY. HOWEVER RAINS AND WINDS ASSOCIATED WITH HANNA WILL REACH THE COAST WELL IN ADVANCE OF THE CENTER.

DATA FROM THE RECONNAISSANCE AIRCRAFT INDICATE THAT MAXIMUM SUSTAINED WINDS REMAIN NEAR 65 MPH 100 KM/HR WITH HIGHER GUSTS. ONLY SLIGHT STRENGTHENING IS FORECAST PRIOR TO LANDFALL ALTHOUGH IT IS STILL POSSIBLE FOR HANNA TO BECOME A HURRICANE.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 315 MILES 510 KM FROM THE CENTER.

THE MINIMUM CENTRAL PRESSURE JUST REPORTED BY THE AIRCRAFT WAS 985 MB 29.08 INCHES.

HANNA IS EXPECTED TO PRODUCE TOTAL RAINFALL ACCUMULATIONS OF 4 TO 6 INCHES FROM COASTAL SOUTH CAROLINA NORTHWARD THROUGH EASTERN NORTH CAROLINA AND INTO SOUTHEASTERN VIRGINIA WITH ISOLATED MAXIMUM AMOUNTS OF 10 INCHES POSSIBLE. RAINFALL AMOUNTS OF 1 TO 2 INCHES ARE POSSIBLE ALONG THE FLORIDA EAST COAST AND COASTAL GEORGIA. RAINFALL WILL BE DIMINISHING ACROSS THE NORTHER BAHAMAS EARLY FRIDAY MORNING. VERY HEAVY RAINFALL WILL BE SPREADING NORTHEASTWARD THROUGH THE MID ATLANTICSOUTHERN NEW YORKAND INTO SOUTHERN NEW ENGLAND LATE FRIDAY INTO SATURDAY.

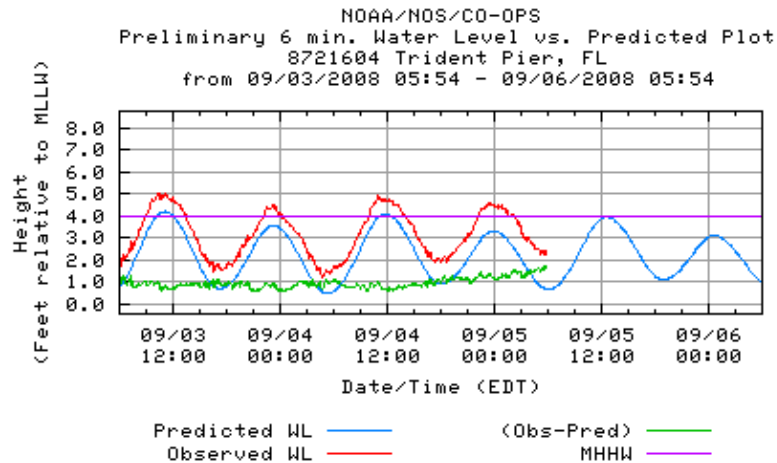
COASTAL STORM SURGE FLOODING OF 3 TO 5 FEET ABOVE NORMAL TIDE LEVELS ALONG WITH LARGE AND DANGEROUS BATTERING WAVESCAN BE EXPECTED NEAR AND TO THE EAST OF THE PATH OF THE CENTER OF HANNA.

FORECASTER RHOME

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Trident Pier - Water Level](#), [Trident Pier - Winds](#), [Trident Pier - Barometric](#), [Trident Pier - Air/Water Temp](#), [Ponce De Leon Inlet South - Water Level](#), [Fernandina Beach - Water Level](#), [Fernandina Beach - Winds](#), [Fernandina Beach - Barometric](#), [Fernandina Beach - Air/Water Temp](#), [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#), [Fort Pulaski - Barometric](#), [Fort Pulaski - Air/Water Temp](#), [Charleston - Water Level](#), [Oyster Landing \(North Inlet Estuary\) - Water Level](#), [Springmaid Pier - Water Level](#), [Springmaid Pier - Air/Water Temp](#), [Springmaid Pier - Winds](#), [Springmaid Pier - Barometric](#),

Trident Pier, FL - Station Map [Return to List](#)

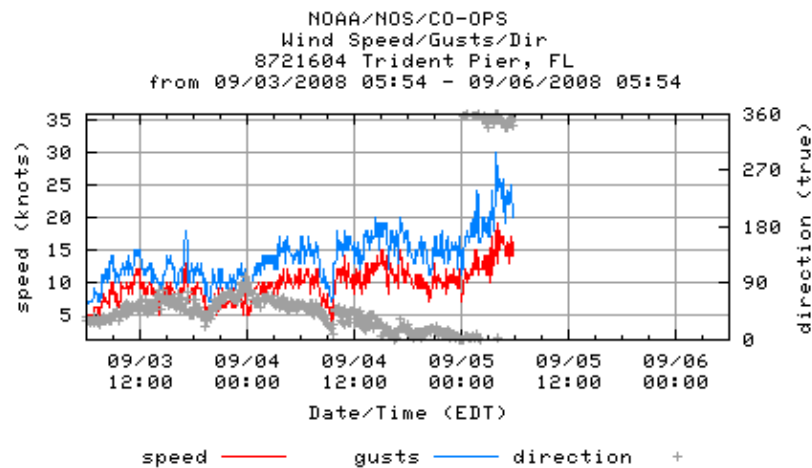


Last Observed Sample: 09/05/2008 05:42 (EDT)

Relative to **MLLW**: **Observed: 2.27 ft.** **Predicted: 0.66 ft.** **Residual: 1.61 ft.**

Historical Maximum Water Level: 09/16/2001, 2.28 ft. above **MHHW**

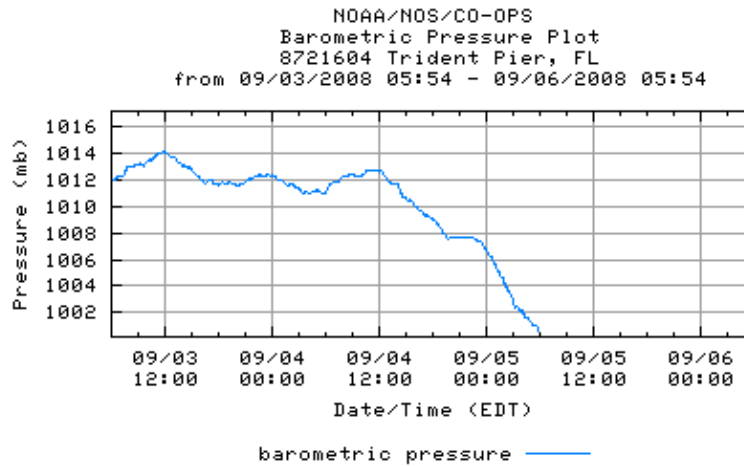
Trident Pier, FL - Station Map [Return to List](#)



Last Observed Sample: 09/05/2008 05:42 (EDT)

Wind Speed: 14 knots **Gusts: 22 knots** **Direction: 342° T**

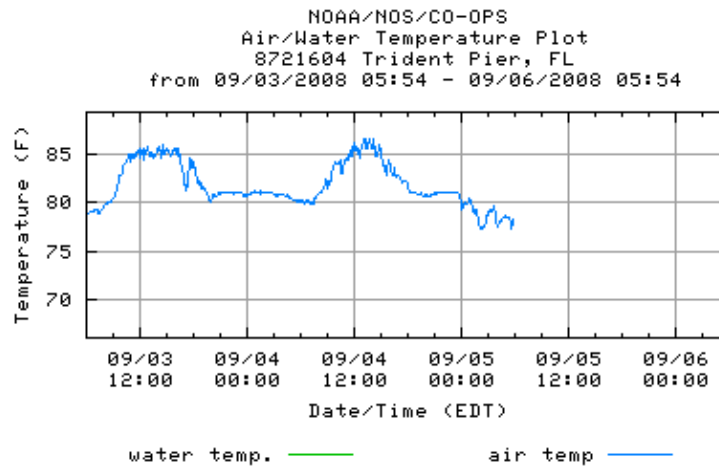
Trident Pier, FL - Station Map [Return to List](#)



Last Observed Sample: 09/05/2008 05:42 (EDT)

Barometric Pressure: 1000.7 mb

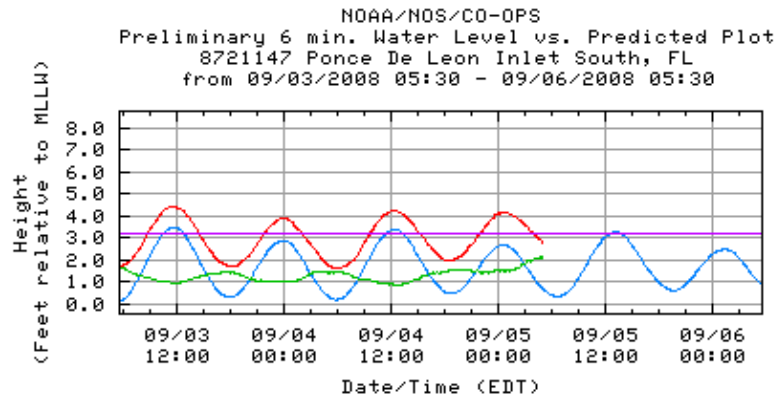
Trident Pier, FL - Station Map [Return to List](#)



Last Observed Sample: 09/05/2008 05:42 (EDT)

Water Temperature: n/a Air Temperature: 78.3° F

Ponce De Leon Inlet South, FL - Station Map [Return to List](#)



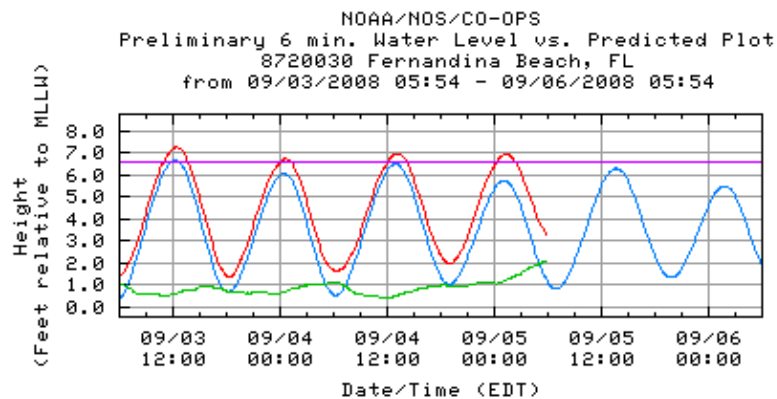
Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 09/05/2008 04:54 (EDT)

Relative to **MLLW**: **Observed: 2.79 ft. Predicted: 0.69 ft. Residual: 2.10 ft.**

Historical Maximum Water Level: n/a

Fernandina Beach, FL - Station Map [Return to List](#)



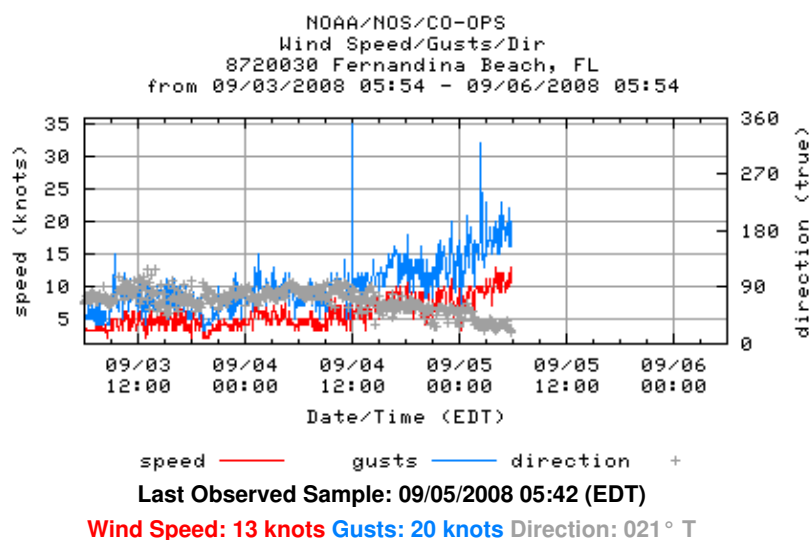
Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 09/05/2008 05:42 (EDT)

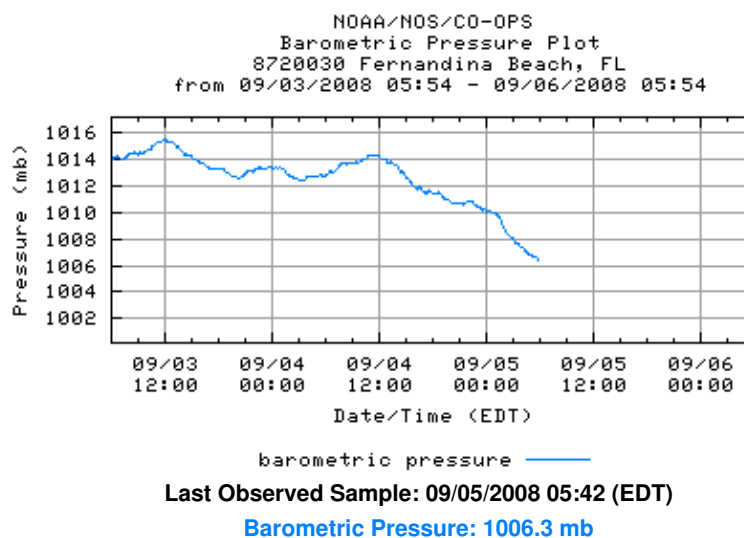
Relative to **MLLW**: **Observed: 3.32 ft. Predicted: 1.25 ft. Residual: 2.07 ft.**

Historical Maximum Water Level: 10/02/1898, 6.94 ft. above **MHHW**

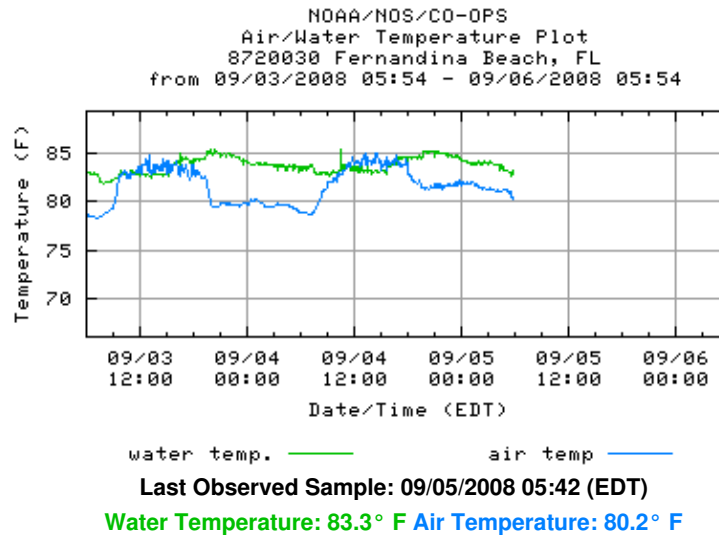
Fernandina Beach, FL - Station Map [Return to List](#)



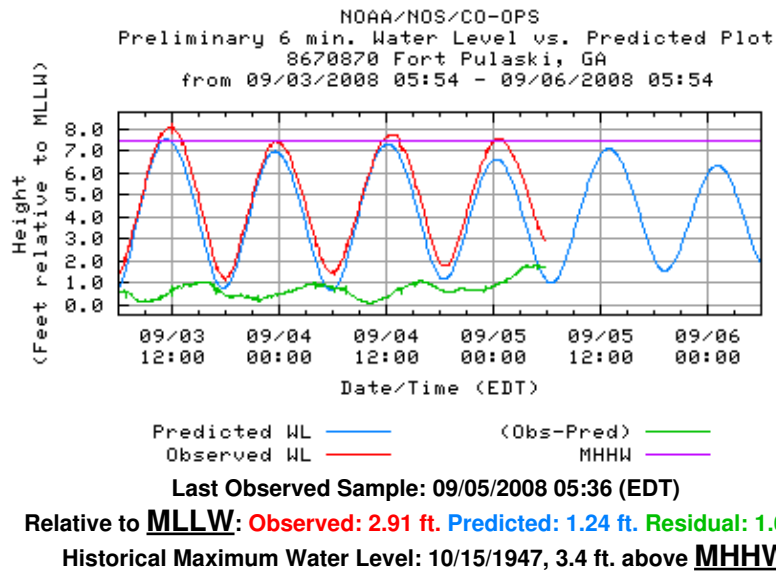
Fernandina Beach, FL - Station Map [Return to List](#)



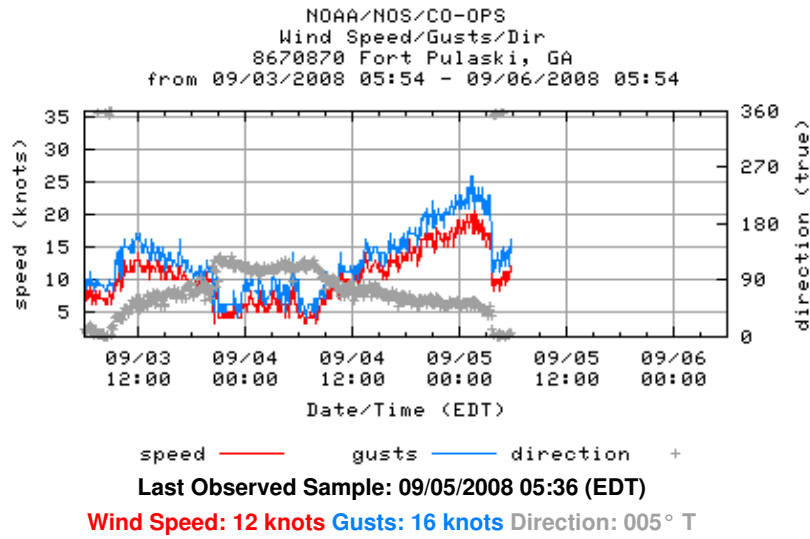
Fernandina Beach, FL - Station Map [Return to List](#)



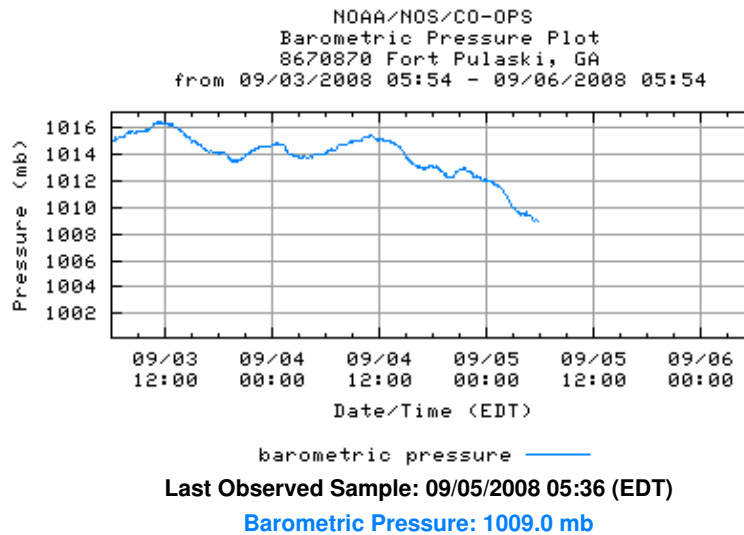
Fort Pulaski, GA - Station Map [Return to List](#)



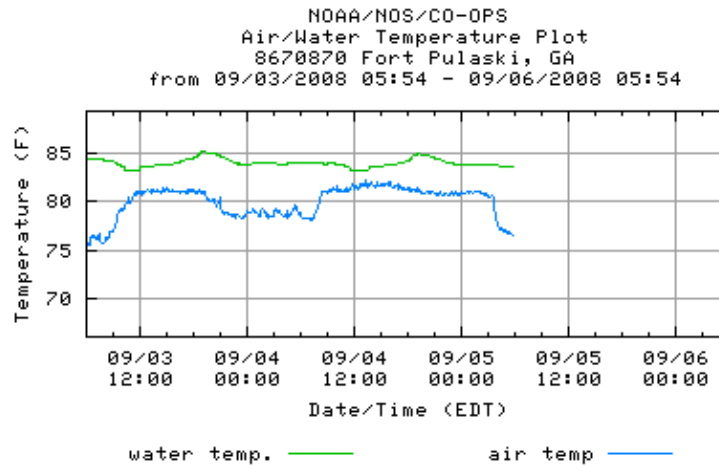
Fort Pulaski, GA - Station Map [Return to List](#)



Fort Pulaski, GA - Station Map [Return to List](#)



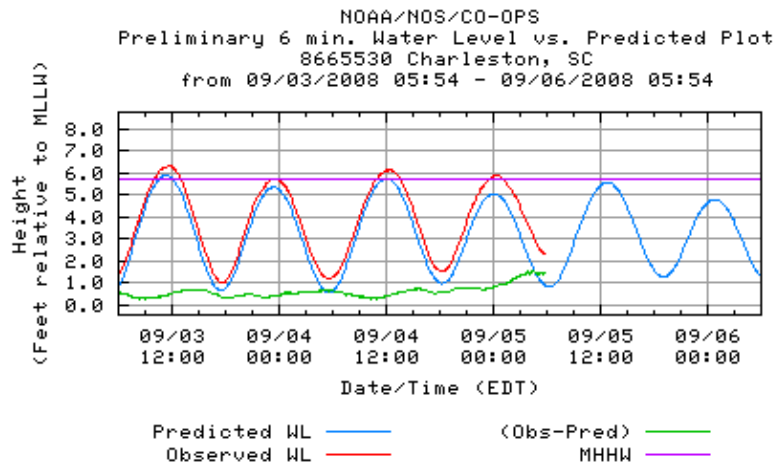
Fort Pulaski, GA - Station Map [Return to List](#)



Last Observed Sample: 09/05/2008 05:36 (EDT)

Water Temperature: 83.5° F Air Temperature: 76.6° F

Charleston, SC - Station Map [Return to List](#)

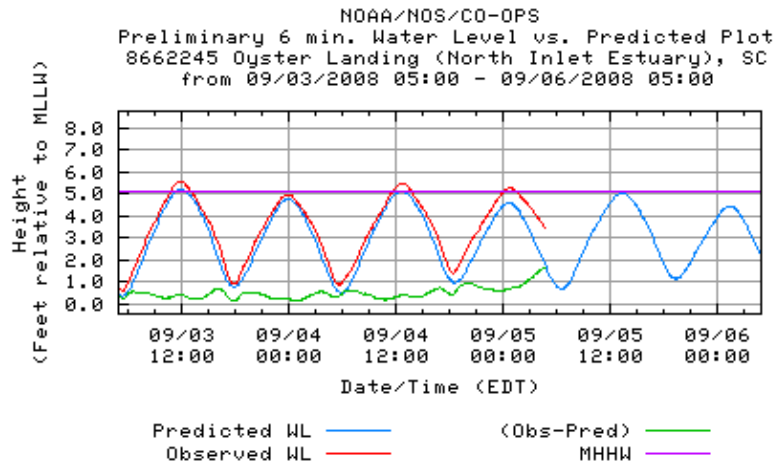


Last Observed Sample: 09/05/2008 05:42 (EDT)

Relative to **MLLW**: Observed: 2.32 ft. Predicted: 0.87 ft. Residual: 1.45 ft.

Historical Maximum Water Level: 09/21/1989, 6.76 ft. above **MHHW**

Oyster Landing (North Inlet Estuary), SC - Station Map [Return to List](#)

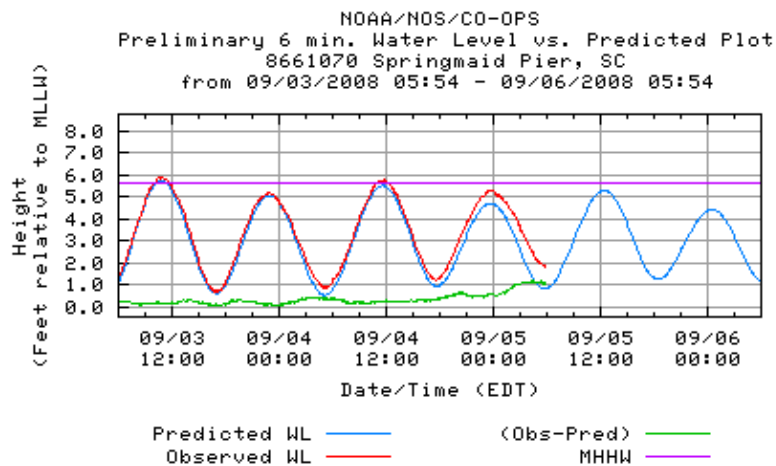


Last Observed Sample: 09/05/2008 04:48 (EDT)

Relative to **MLLW**: **Observed: 3.42 ft. Predicted: 1.76 ft. Residual: 1.66 ft.**

Historical Maximum Water Level: 07/22/2001, 2.21 ft. above **MHHW**

Springmaid Pier, SC - Station Map [Return to List](#)

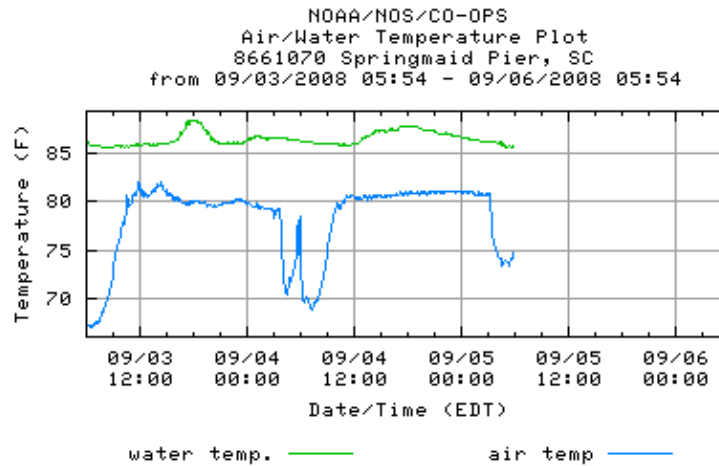


Last Observed Sample: 09/05/2008 05:42 (EDT)

Relative to **MLLW**: **Observed: 1.89 ft. Predicted: 0.81 ft. Residual: 1.08 ft.**

Historical Maximum Water Level: 01/01/1987, 3.65 ft. above **MHHW**

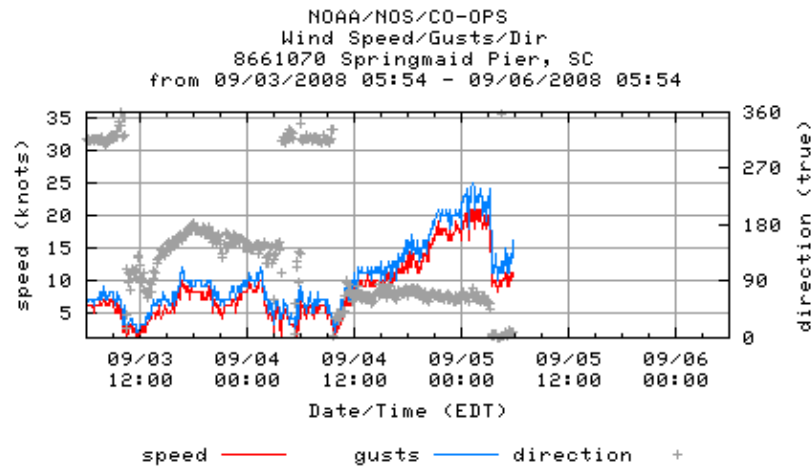
Springmaid Pier, SC - Station Map [Return to List](#)



Last Observed Sample: 09/05/2008 05:42 (EDT)

Water Temperature: 85.8° F Air Temperature: 74.7° F

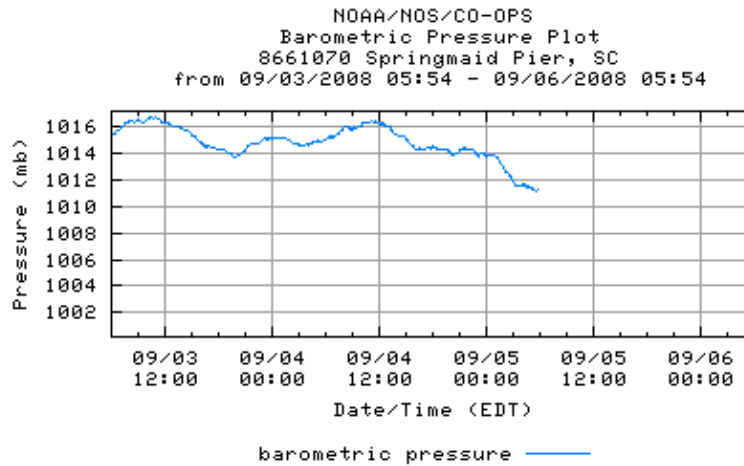
Springmaid Pier, SC - Station Map [Return to List](#)



Last Observed Sample: 09/05/2008 05:42 (EDT)

Wind Speed: 11 knots Gusts: 16 knots Direction: 009° T

Springmaid Pier, SC - Station Map [Return to List](#)



Last Observed Sample: 09/05/2008 05:42 (EDT)

Barometric Pressure: 1011.2 mb

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce